

1. Accurately name the following figures from the given diagram:

a. Circle: \_\_\_\_\_

b. Chord: \_\_\_\_\_

c. Radius: \_\_\_\_\_

d. Diameter: \_\_\_\_\_

e. Minor arc: \_\_\_\_\_

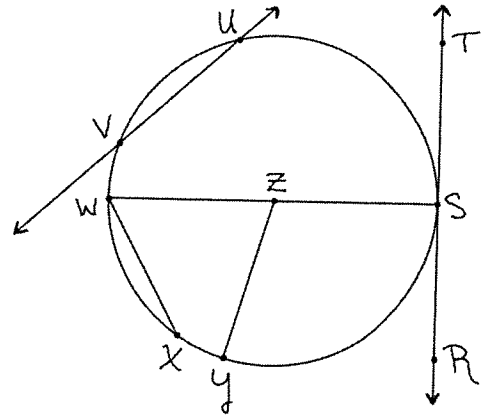
f. Major Arc: \_\_\_\_\_

g. Central angle: \_\_\_\_\_

h. Inscribed angle: \_\_\_\_\_

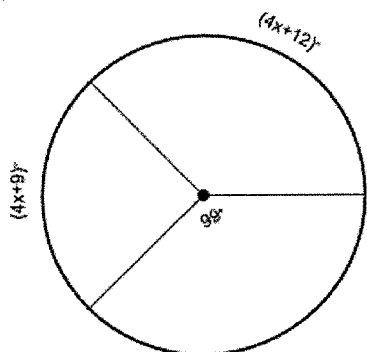
i. Tangent: \_\_\_\_\_

j. Secant: \_\_\_\_\_

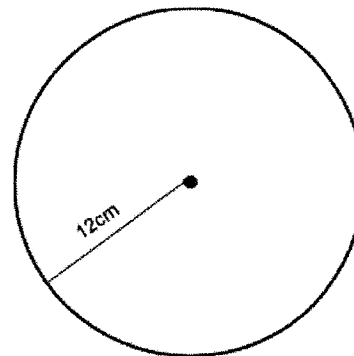


Use 3.14 for  $\pi$ . Round answers to the nearest tenth, if necessary.

2) Find the value of  $x$ .



3) Find the area and circumference of the circle.

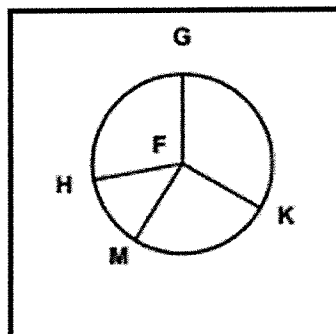


4) Find the measure of the indicated arc/angle.

a. Measure of Arc HG

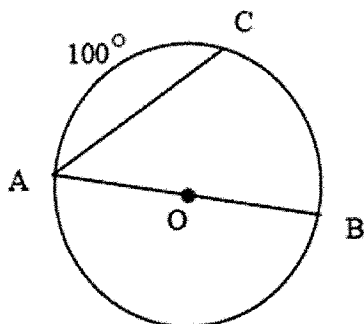
b. Measure of Arc HK

c. Measure of  $\angle$ HFK



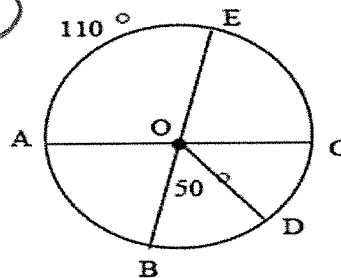
(A)

Find  $m\angle A$



(B)

(C)



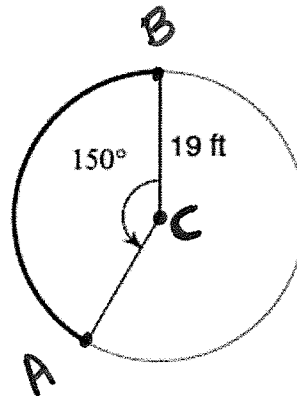
find  $m\widehat{DC}$

find  $m\widehat{EAB}$

find  $m\widehat{ACB}$

find  $m\angle AOB$

- 5) Use the diagram below to find:
- Length of Arc AB.

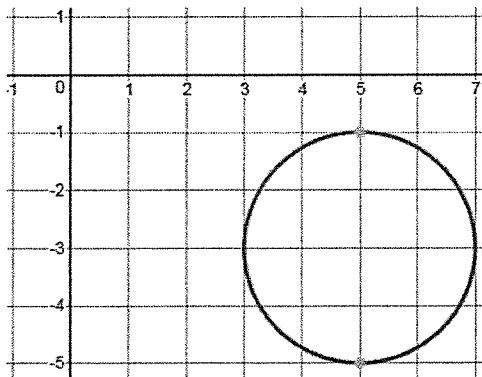


- Area of the sector ABC.

- 6) A sprinkler is set to rotate  $65^\circ$  and the water reaches all of the grass in a lawn up to 6 yards away from it. How much of the lawn is watered by this one sprinkler?

- 7) If you bought a 16 in pizza and you like to eat the crust part of a pizza. If you ate a slice with angle measure of  $120^\circ$ , What length of the crust did you eat.

- 8) Identify the center and radius of this circle from the graph below, then write the equation for it.

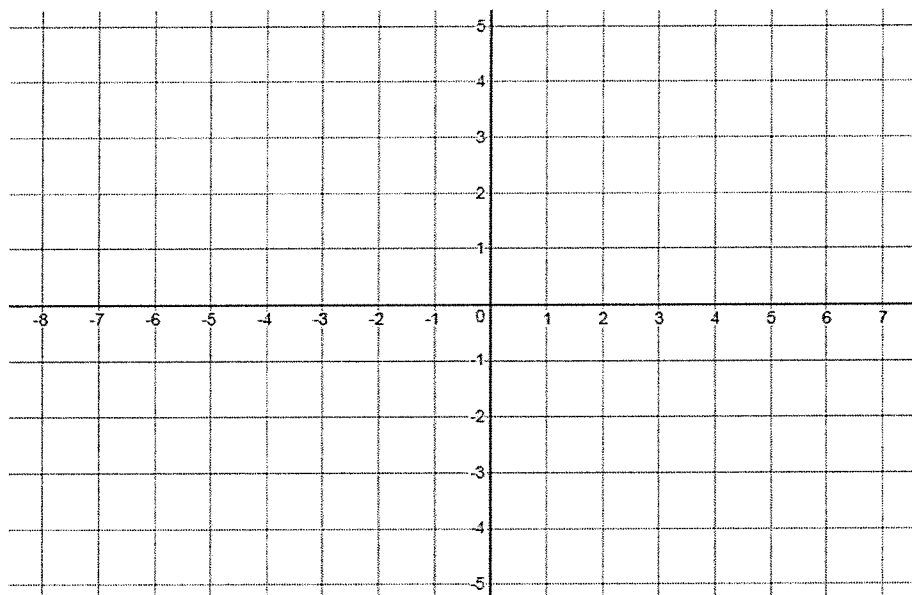


Radius: \_\_\_\_\_ Center: \_\_\_\_\_

Equation: \_\_\_\_\_

9) Identify the center and radius from the equation of this circle, then graph it.

$$(x + 2)^2 + y^2 = 4$$



Radius: \_\_\_\_\_

Center: \_\_\_\_\_

10)  $x^2 + (y - 3)^2 = 9$

Radius = \_\_\_\_\_

Center = \_\_\_\_\_

